

ABSTRACT

A solid electrolyte cell in which oxidative decomposition of electrolyte components is suppressed to maintain the superior cell performance. The solid electrolyte includes a negative electrode 9 having a negative electrode current collector 7 and a negative electrode active material 8, a positive electrode 12 having a positive electrode current collector 10 and a positive electrode active material 11 and a solid electrolyte 13 arranged between the negative electrode 9 and the positive electrode 12 and which is comprised of an electrolyte salt dispersed in a matrix polymer. A diene compound is contained in at least one of the positive electrode 12 and the solid electrolyte 13.